

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5037546

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
STEPHANIE BAJUS	04/24/2018
JAN CABENS	04/09/2018
JENS DORING	04/09/2018
JORG-JOACHIM NITZ	04/09/2018
STEPHAN KOHLSTRUK	04/09/2018
ROBERT JANSEN	04/12/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EVONIK DEGUSSA GMBH
<b>Street Address:</b>	RELLINGHAUSER STRASSE 1-11
<b>City:</b>	ESSEN
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	45128
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15822607
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(336)387-8912
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	336-378-5211
<b>Email:</b>	USPATENT@NEXSENPRUET.COM
<b>Correspondent Name:</b>	PHILIP P. MCCANN
<b>Address Line 1:</b>	701 GREEN VALLEY ROAD
<b>Address Line 2:</b>	SUITE 100
<b>Address Line 4:</b>	GREENSBORO, NORTH CAROLINA 27408
<b>ATTORNEY DOCKET NUMBER:</b>	060042-00250
<b>NAME OF SUBMITTER:</b>	PHILIP P. MCCANN
<b>SIGNATURE:</b>	/Philip P. McCann/
<b>DATE SIGNED:</b>	07/05/2018

**Total Attachments: 18**

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source=060042-00250-2014P00342US\_signedAssignments#page18.tif

**ASSIGNMENT**

WHEREAS I/We, the below named inventor(s) (hereinafter referred to as ASSIGNOR(S)) have made an invention entitled:

**CATALYTIC OXIDATION OF 3,5,5-TRIMETHYLCYCLOHEXA-3-ENE-1-ONE (B-ISOPHORONE) WITH HYDROGEN PEROXIDE TO AFFORD 2,6,6-TRIMETHYL-2-CYCLOHEXENE-1,4-DIONE (KETO-ISOPHORONE).**

for which an application was filed on **27 November 2017** as U.S. Application No. **15/822,607** (Attorney Docket No. 5003073.286US1); and

WHEREAS, **Evonik Degussa GmbH**, a corporation of Germany, whose post office address is **Rellinghauser Straße 1-11, 45128 Essen, Germany** (hereinafter referred to as ASSIGNEE), is desirous of securing the entire right, title, and interest in and to the aforesaid invention and/or any improvements thereon in all countries throughout the world, and in and to the application(s) for Letters Patent on the aforesaid invention and/or any improvements thereon and the Letters Patent to be issued upon the aforesaid U.S. and/or International application(s);

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR(S), by these presents do hereby sell, assign and transfer to ASSIGNEE, the full and exclusive right, title and interest in and to the aforesaid invention and any improvements thereon, the aforesaid application(s) and all corresponding and/or counterpart foreign patent applications, all divisional, continuation, continuation-in-part, reissue, reexamination, extension, substitution, registration, renewal, extension, Supplementary Protection Certificates or the like, and any additional patent applications which claim priority to the aforesaid application(s), and all Letters Patent or comparable rights issuing thereon in the United States and in all foreign countries, and all applications for Letters Patent which may hereafter be filed for the aforesaid invention and/or any improvements thereon in the United States and/or in any foreign country and all Letters Patent which may be granted on the aforesaid invention and/or any improvements thereon in the United States and/or in any foreign country, together with the right(s) to claim priority to the aforesaid patent application(s) and/or any improvements thereon, and the ASSIGNOR(S) hereby authorize and request the United States Commissioner of Patents and Trademarks and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent or comparable rights issuing on any application as aforesaid to ASSIGNEE, or to its successors, assigns or legal representatives;

ASSIGNOR(S) hereby covenant that ASSIGNOR(S) have full right to convey the entire interest herein assigned, and that ASSIGNOR(S) have not executed, and will not execute, any agreement in conflict herewith;

ASSIGNOR(S) agree to communicate to ASSIGNEE or to its successors, assigns or legal representatives any and all facts known to them or any of them respecting said invention, and without further remuneration to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and reexamination applications, make all rightful oaths and generally do all lawful acts to aid ASSIGNEE or its successors, assigns or legal representatives to obtain and enforce proper patent protection for said invention in all countries and to enhance or perfect ASSIGNEE's title in and to the invention and patent rights therein.

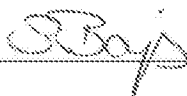
(Sheet 1 of 3)

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This Assignment may be executed in one (1) or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 24 day of April 2018.



Stephanie BAJUS

Alistraße 1  
63450 Hanau  
Germany

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_.

\_\_\_\_\_

Jan CAßENS

Castroper Straße 51  
45665 Recklinghausen  
Germany

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_.

\_\_\_\_\_

Jens DÖRING

Am Zehnthof 69  
44141 Dortmund  
Germany

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of  
\_\_\_\_\_ 20\_\_\_\_\_.

---

Jörg-Joachim NITZ

Phönixberg 1d  
45257 Essen  
Germany

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of  
\_\_\_\_\_ 20\_\_\_\_\_.

---

Stephan KOHLSTRUK

Enfieldstraße 78  
45966 Gladbeck  
Germany

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of  
\_\_\_\_\_ 20\_\_\_\_\_.

---

Robert JANSEN

Kaplan-Xanten-Str. 15  
46244 Bottrop  
Germany

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for which an application was filed on **27 November 2017** as U.S. Application No. **15/822,607** (Attorney Docket No. 5003073.286US1); and

WHEREAS, **Evonik Degussa GmbH**, a corporation of Germany, whose post office address is **Rellinghauser Straße 1-11, 45128 Essen, Germany** (hereinafter referred to as ASSIGNEE), is desirous of securing the entire right, title, and interest in and to the aforesaid invention and/or any improvements thereon in all countries throughout the world, and in and to the application(s) for Letters Patent on the aforesaid invention and/or any improvements thereon and the Letters Patent to be issued upon the aforesaid U.S. and/or International application(s);

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR(S), by these presents do hereby sell, assign and transfer to ASSIGNEE, the full and exclusive right, title and interest in and to the aforesaid invention and any improvements thereon, the aforesaid application(s) and all corresponding and/or counterpart foreign patent applications, all divisional, continuation, continuation-in-part, reissue, reexamination, extension, substitution, registration, renewal, extension, Supplementary Protection Certificates or the like, and any additional patent applications which claim priority to the aforesaid application(s), and all Letters Patent or comparable rights issuing thereon in the United States and in all foreign countries, and all applications for Letters Patent which may hereafter be filed for the aforesaid invention and/or any improvements thereon in the United States and/or in any foreign country and all Letters Patent which may be granted on the aforesaid invention and/or any improvements thereon in the United States and/or in any foreign country, together with the right(s) to claim priority to the aforesaid patent application(s) and/or any improvements thereon, and the ASSIGNOR(S) hereby authorize and request the United States Commissioner of Patents and Trademarks and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent or comparable rights issuing on any application as aforesaid to ASSIGNEE, or to its successors, assigns or legal representatives;

ASSIGNOR(S) hereby covenant that ASSIGNOR(S) have full right to convey the entire interest herein assigned, and that ASSIGNOR(S) have not executed, and will not execute, any agreement in conflict herewith;

ASSIGNOR(S) agree to communicate to ASSIGNEE or to its successors, assigns or legal representatives any and all facts known to them or any of them respecting said invention, and without further remuneration to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and reexamination applications, make all rightful oaths and generally do all lawful acts to aid ASSIGNEE or its successors, assigns or legal representatives to obtain and enforce proper patent protection for said invention in all countries and to enhance or perfect ASSIGNEE's title in and to the invention and patent rights therein.

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of  
\_\_\_\_\_ 20\_\_\_\_\_.

Stephanie BAJUS

Altstraße 1  
63450 Hanau  
Germany

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 11 day of  
April 2015.

Jan CABENS

Castroper Straße 51  
45665 Recklinghausen  
Germany

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of  
\_\_\_\_\_ 20\_\_\_\_\_.

Jens DÖRING

Am Zehnthof 69  
44141 Dortmund  
Germany

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of  
\_\_\_\_\_ 20\_\_\_\_\_.

---

Jörg-Joachim NITZ

Phönixberg 1d  
45257 Essen  
Germany

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of  
\_\_\_\_\_ 20\_\_\_\_\_.

---

Stephan KOHLSTRUK

Enfieldstraße 78  
45966 Gladbeck  
Germany

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\_\_\_\_\_ 20\_\_\_\_\_.

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Robert JANSEN

Kaplan-Xanten-Str. 15  
46244 Bottrop  
Germany



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Stephanie BAJUS

Altstraße 1  
63450 Hanau  
Germany

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_\_.

Jan CABENS

Castroper Straße 51  
45665 Recklinghausen  
Germany

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 7<sup>th</sup> day of April 2011.

Jens DÖRING

Am Zehnthof 69  
44141 Dortmund  
Germany

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of  
\_\_\_\_\_ 20\_\_\_\_\_.

---

Jörg-Joachim NITZ

Phönixberg 1d  
45257 Essen  
Germany

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Stephan KOHLSTRUK

Enfieldstraße 78  
45966 Gladbeck  
Germany

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63450 Hanau  
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Jan CAßENS

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45665 Recklinghausen  
Germany

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---

Jens DÖRING

Am Zehnthof 69  
44141 Dortmund  
Germany

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 9 day of  
April 2018.



Jörg-Joachim NITZ

Phönixberg 1d  
45257 Essen  
Germany

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of  
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Stephan KOHLSTRUK

Enfieldstraße 78  
45966 Gladbeck  
Germany

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Robert JANSEN

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Stephanie BAJUS

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63450 Hanau  
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Jan CAßENS

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45665 Recklinghausen  
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Jens DÖRING

Am Zehnthof 69  
44141 Dortmund  
Germany



IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of

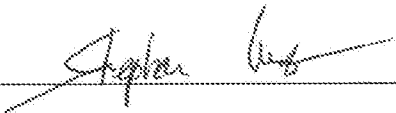
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\_\_\_\_\_  
Jörg-Joachim NITZ

Phönixberg 1d  
45257 Essen  
Germany

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 9 day of

April 20 18

\_\_\_\_\_  


Stephan KOHLSTRUK

Enfieldstraße 78  
45966 Gladbeck  
Germany

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of

\_\_\_\_\_ 20 \_\_\_\_\_

\_\_\_\_\_  
Robert JANSEN

Kaplan-Xanten-Str. 15  
46244 Bottrop  
Germany

**ASSIGNMENT**

WHEREAS I/We, the below named inventor(s) (hereinafter referred to as ASSIGNOR(S)) have made an invention entitled:

**CATALYTIC OXIDATION OF 3,5,5-TRIMETHYLCYCLOHEXA-3-ENE-1-ONE (B-ISOPHORONE) WITH HYDROGEN PEROXIDE TO AFFORD 2,6,6-TRIMETHYL-2-CYCLOHEXENE-1,4-DIONE (KETO-ISOPHORONE).**

for which an application was filed on **27 November 2017** as U.S. Application No. **15/822,607** (Attorney Docket No. 5003073.286US1); and

WHEREAS, **Evonik Degussa GmbH**, a corporation of Germany, whose post office address is **Rellinghauser Straße 1-11, 45128 Essen, Germany** (hereinafter referred to as ASSIGNEE), is desirous of securing the entire right, title, and interest in and to the aforesaid invention and/or any improvements thereon in all countries throughout the world, and in and to the application(s) for Letters Patent on the aforesaid invention and/or any improvements thereon and the Letters Patent to be issued upon the aforesaid U.S. and/or International application(s);

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR(S), by these presents do hereby sell, assign and transfer to ASSIGNEE, the full and exclusive right, title and interest in and to the aforesaid invention and any improvements thereon, the aforesaid application(s) and all corresponding and/or counterpart foreign patent applications, all divisional, continuation, continuation-in-part, reissue, reexamination, extension, substitution, registration, renewal, extension, Supplementary Protection Certificates or the like, and any additional patent applications which claim priority to the aforesaid application(s), and all Letters Patent or comparable rights issuing thereon in the United States and in all foreign countries, and all applications for Letters Patent which may hereafter be filed for the aforesaid invention and/or any improvements thereon in the United States and/or in any foreign country and all Letters Patent which may be granted on the aforesaid invention and/or any improvements thereon in the United States and/or in any foreign country, together with the right(s) to claim priority to the aforesaid patent application(s) and/or any improvements thereon, and the ASSIGNOR(S) hereby authorize and request the United States Commissioner of Patents and Trademarks and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent or comparable rights issuing on any application as aforesaid to ASSIGNEE, or to its successors, assigns or legal representatives;

ASSIGNOR(S) hereby covenant that ASSIGNOR(S) have full right to convey the entire interest herein assigned, and that ASSIGNOR(S) have not executed, and will not execute, any agreement in conflict herewith;

ASSIGNOR(S) agree to communicate to ASSIGNEE or to its successors, assigns or legal representatives any and all facts known to them or any of them respecting said invention, and without further remuneration to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and reexamination applications, make all rightful oaths and generally do all lawful acts to aid ASSIGNEE or its successors, assigns or legal representatives to obtain and enforce proper patent protection for said invention in all countries and to enhance or perfect ASSIGNEE's title in and to the invention and patent rights therein.

(Sheet 1 of 3)

ASSIGNOR(S) hereby authorize attorneys for ASSIGNEE to enter on this document any applicable serial numbers and filing dates after ASSIGNOR(S') execution of this document.

ASSIGNOR(S) hereby acknowledge an obligation to assign and do hereby assign all right, title and interest in and to the aforesaid invention and any improvements thereon to ASSIGNEE at the time the invention was made.

This Assignment may be executed in one (1) or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of  
\_\_\_\_\_ 20\_\_\_\_\_.

---

Stephanie BAJUS

Altstraße 1  
63450 Hanau  
Germany

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of  
\_\_\_\_\_ 20\_\_\_\_\_.

---

Jan CABENS

Castroper Straße 51  
45665 Recklinghausen  
Germany

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of  
\_\_\_\_\_ 20\_\_\_\_\_.

---

Jens DÖRING

Am Zehnthof 69  
44141 Dortmund  
Germany

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of  
\_\_\_\_\_ 20\_\_\_\_\_.

\_\_\_\_\_  
Jörg-Joachim NITZ

Phönixberg 1d  
45257 Essen  
Germany

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of  
\_\_\_\_\_ 20\_\_\_\_\_.

\_\_\_\_\_  
Stephan KOHLSTRUK

Enfieldstraße 78  
45966 Gladbeck  
Germany

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 12 day of  
April 2019.

Robert Jansen  
\_\_\_\_\_  
Robert JANSEN

Kaplan-Xanten-Str. 15  
46244 Bottrop  
Germany